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| <b>TRANSMITTAL FORM</b><br>(to be used for all correspondence after initial filing) | Application Number     | 10/621,222          |
|   | Filing Date            | July 16, 2003       |
|   | First Named Inventor   | Svein Torleif Vaage |
|   | Art Unit               | 3662                |
|   | Examiner Name          | Ian J. Lobo         |
| Total Number of Pages in This Submission  | Attorney Docket Number | PGS-02-16US         |

| ENCLOSURES (Check all that apply)  |   |   |
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| Firm or Individual name                    | E. Eugene Thigpen        |
| Signature                                  | <i>E. Eugene Thigpen</i> |
| Date                                       | July 10, 2006            |

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Svein T. Vaage, *et al.*

Serial No. 10/621,222

Filed: July 16, 2003

Title: **METHOD FOR SEISMIC  
EXPLORATION UTILIZING  
MOTION SENSOR AND  
PRESSURE SENSOR DATA**

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Group Art Unit: 3663

Examiner: Ian J. Lobo

Atty Docket No. PGS-02-16US

Mail Stop Amendment

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*E. Eugene Thigpen*  
E. Eugene Thigpen

Date: July 10, 2006

**RESPONSE TO OFFICE ACTION**

**(A) INTRODUCTORY COMMENTS**

This letter is in response to the third Office Action, mailed April 10, 2006, in the patent application identified above.

Claims 1–42 are pending in the present patent application. In this Office Action, all claims 1–42 are rejected under 35 U.S.C. §103(a).

Claims 1, 16, 26, and 33 are amended in this response, while claims 8, 10 – 15, 21, 32, and 38 are canceled. A complete set of claims, including amended claims, are presented below in Section (B) Amendments to the Claims, in compliance with 37 CFR 1.121. These amendments and traversal of the remaining claim rejections in this Office Action are discussed below in Section (C) Remarks.

The sections of this response begin on the following pages:

page 1 (A) Introductory Comments

page 3 (B) Amendments to the Claims

page 9 (C) Remarks